

SZOLLOSY, Karoly; SZILAGyi, Geza; PEREDI, Jozsef

Let us produce chemically active raw materials for the
synthesis of up-to-date detergents. Elelm ipar 11 no.5/6:
142-144 Ag '57.

PEREDI, Karoly, dr., Kossuth-dijas, okleveles gepesz- es kozgazdasagi mernok

Some economical and technical aspects of the structure change of energy carrier in Hungary with special regard to oil burning. Energia es atom 15 no.10/11:463-468 O-N '62.

5(2)
AUTHORS:

Peregud, Ye. A., Boykina, B. S.

SOV/75-14-1-31/32

TITLE:

A Micro-Method for Determining Fluorine Monoxide (Mikrometod opredeleniya monooxida flora)

PERIODICAL:

Zhurnal analiticheskoy khimii, 1959, Vol 14, Nr 1, pp 141-142
(USSR)

ABSTRACT:

Fluorine monoxide OF_2 is a colorless and very poisonous gas which is even more dangerous than elementary fluorine (Ref 1). Larger concentrations of OF_2 can be iodometrically determined

(Ref 2). In the present paper a method is worked out for the determination of γ -quantities of fluorine monoxide in air. As OF_2 is a strong oxidizing medium, various analytical redox reactions were investigated which lead to the development of a coloring in the absorption solution itself. It was, however, found that fluorine monoxide reacts only very slowly with aqueous solutions because it is difficultly soluble in water. The nature of the method of determining traces of OF_2 in air,

which was worked out by the authors, consists in eliminating bromine from potassium bromide by means of fluorine monoxide. The bromine formed reacts with fluorescein to the accompani-

Card 1/3

A Micro-Method for Determining Fluorine Monoxide

SOV/75-14-1-31/32

ment of the formation of tetrabromofluorescein (eosin), which is of red color. The air to be investigated, which contains OF_2 , is led through a tube with indicator powder (silica gel saturated with fluorescein), whereby the initial yellow color of the powder grows red. The length of the colored zone is proportional to the quantity of OF_2 . The optimum conditions of determination were found by numerous experiments. The production of the glass tubes containing the indicator powder is very accurately described in this paper. The standard conditions worked out for the preparation of the indicator tubes must be rigidly adhered to because the tube diameter, the tightness of stuffing, the size of the silica gel particles, and the concentration of reagents in the absorbed solution influence the length of the colored zone. 1 mm of the tubes produced in this manner corresponds to $0.334 \mu OF_2$. The manner in which determination is carried out is described in detail in this paper. There are 3 Soviet references.

ASSOCIATION:
Card 2/3Gosudarstvennyy nauchno-issledovatel'skiy institut gigiyeny
truda i profzabolevaniy, Leningrad (State Scientific Research

A Micro-Method for Determining Fluorine Monoxide

SOV/75-14-1-31/32

Institute for Work Hygiene and Occupational Diseases,
Leningrad)

SUBMITTED: February 16, 1957

Card 3/3

PEREDI, J.

HUNGARY/Chemical Technology. Chemical Products and Their
Application, Part 3. - Fats and Oils. Waxes.
Soaps. Detergents. Flotation Agents.

H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 72089.

Author : Jozsef Peredi, Ida Czeredy.

Inst :

Title : Study of Hungarian Lard. II. Connection Between
Composition and Properties of Fats.

Orig Pub: Elelm. ipar, 1957, 11, No 2, 49-54.

Abstract: The dependence between the properties of lard and
its contents of glycerides with three unsaturated
and with one, two and three saturated acid radi-
cals is discussed. Data describing the depend-
ence of the contents of saturated and linoleic
acids on the iodine number (IN), of $n^{60}D$ on the

Card : 1/2

10V

PEREDY, J.

624.041.2

87/80 On a new minimum problem of the technical theory on
the strength of materials (in German) J. Peredy.
Acta Technica Academiae Scientiarum Hungaricae, Vol. 24,
1980, No. 3-4, pp. 329-346, 14 figs., 1 tab.

2

In Hungarian literature on the theory of the strength of materials time and again the idea has been advanced that statically indeterminate structures should be solved on the following two fundamental principles (1) the beam should be statically in equilibrium as a whole and in all parts; (2) the distribution of the interior stresses should be such as to permit the construction of the most economical beam. If a statically n-times indeterminate structure must be solved in compliance with the above points of view, the following mathematical problem is frequently arrived at:

$\{ | Y_0(P) + \sum_{i=1}^n y_i Y_i(P) | dL = \text{Min!}$ The paper deals with the solution of this problem, pointing out two possible methods. Furthermore it discusses the proof of the solution to the problem and gives information as to the character of the solution. Finally it shows the application of the mathematical procedure on examples taken from the field of the technical theory on the strength of materials, e.g. frame structures, trussed girders, beam grids.

ca

PEREDI, J.

H U N G

• 10). The rancidity of fats. The Swift stability test as a method of research. The effect of some antioxidants - J. Peredi. (*Élelmiszeri Ipar* - Vol. 8, 1954, No. 4, pp. 101-111, 9 figs., 4 tabs.)

The determination of the peroxide number in tracing the processes of the development of rancidity has proved adequate for the Swift stability test as well. Relations between the organoleptic rancidity and the peroxide number may be established for lard and for sunflower seed oil as well as for the mixture of both. Swift tests conducted on various oils and fats have proved that (1) well-sedimented lard rendered at a low temperature is the most stable; (2) the rancidity of sunflower seed oil is promoted by the deterioration (mustiness) of the seeds from which they have been extracted as well as by alkaline refining; (3) with mixtures of oils and fats, the presence of greater quantities of oils containing an unsaturated fatty acid linin (e. g. linolenic acid) promotes (catalyzes) the rancidity of the lard. The

1/2

9. PERIOD

stability of the lard is also increased by the admixture of 5 to 10% of crude, fresh sunflower seed oil presumably due to its antioxidant content. The effect of various antioxidants (dihydro norguaiaretic acid, propyl gallate, butyl hydroxyanisole, condensatin, quercetin, α -tocopherol, ascorbic acid palmitate) was investigated by the above method. It was established that the storage time during which lard does not develop rancidity could be increased ten-fold (as compared to the original) by the addition of 0.01% of gallic acid derivatives (ethyl gallate and propyl gallate). 2/2

HUNGARY / Chemical Technology, Chemical Products and Their
Application. Fats and Oils. Waxes. Soap and
Detergents. Flotation Agents.

H-25

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 17117

Author : Peredi, J.

Inst : Not given

Title : Separation of Fatty Acids by Means of Fractional
Distillation

Orig Pub : Elelm. ipar, 1957, 11, No 9-10, 189-194

Abstract : Presented are basic data (calculations, diagrams) necessary
for sharper separation of fatty acids by distillation.
The data include: relative volatilities, equilibrium
curves. For the column calculation they include: number
of theoretical trays required. A laboratory distillation
unit is described in detail. The column used is 200 cm
in height, 2 cm Sic diameter (filled with 3 x 3 x 0.5 cm

Card 1/2

Country	: Hungary	H-25
Category	:	
Abs. Jour.	:	40289
Author	: Szeregy, I. and Peredi, J.	
Institut.	: Not given	
Title	: Investigation of Hungarian Hog Fat. III. Effect of Feed Used During the Fattening Period on the Composition of the Fat	
Orig. Pub.	: Elelm Ipar, II, No 3-4, 67-70 (1957)	
Abstract	: With a view to the clarification of the effect of the feed on the composition of hog fat, the authors have carried out a number of experiments in which three groups of hogs of the same breed received during the last 6 wks of the fattening period feed to which the following had been added: sunflower oil, linseed oil, and coconut oil. It has been found that during the formation of the fat the animals make marked use of oleic and linoleic acids. Feed containing the glycerides of these acids forms a softer fat tissue than feed which is free of fats. Lauric acid, capric acid, and other unsaturated low-molecu-	
Card:	1/2	
H-108		

Country :	Hungary	H-25
Category :		
Abs. Jour. :		40289
Author :		
Institut. :		
Title :		
Orig. Pub. :		
Abstract :	lar weight are not incorporated into the fatty tissue. The unsaturated fatty acids content in the various types of fat tissue varies between relatively narrow limits; however, the fats in the internal organs are harder than the back fat. For Part II see RZoKhim, 1958, 72089.	
	S. Rozenfel'd	
Card:	2/2	

PEREV, S.

H U N T

1971 Development in the extraction of vegetable oil
in extraction by a miscella method -
Food Industry - Elektronika Ispaz - Vol. 7,
pp. 325-331, 13 figs., 1 tab.

Theoretical and technical problems of vegetable oil extraction are discussed. The importance of miscella concentration and the calculation of the theoretical number of stages by various methods necessary for a predetermined miscella concentration, in case of countercurrent, partial countercurrent and continuous systems are dealt with. An estimate of the rate of extraction is rendered, taking into account the effect of the specific properties of the material, the thickness of the layer, the specifications of the solvent, the temperature, and the grain size. The efficiency of the extraction process and the composition of the extract was investigated in order to determine the most suitable solvent. Operational characteristics and efficiency of modern extraction equipment (batch, spray and bucket-type extractors) are described giving special attention to economic considerations.

PEREDI, J.

"Souring of fats: making fats rancid as an examination method; use of some antioxidants." Elelmезési, Ipar, Budapest, Vol. 8, No. 4, Apr. 1954, p. 104.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

PEREDI, Jozsef

Fatty acid separation by fractional distillation. Elelm ipar
11 no.9/10:189-194 N '57.

1. Novenylolaj- es Haztartasvegyipari Kutato Intezet.

HUNGARY/Chemical Technology. Chemical Products
and Their Applications. Fats and Oils.
Waxes. Soaps and Detergents. Flotation
Agents.

H

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 21122

Author : Peredi, Jozsef

Inst :

Title : Spoilage of Fats; Use of Anti-Acidifiers
in the Food Industry.

Orig Pub : Elelm. ipar, 1958, 12, No 4, 97-103

Abstract : The causes and the mechanism of spoilage
of fats are examined (formation of hydro-
peroxides and products of their decompo-
sition). The mechanism of the effect of
anti-acidifiers, natural and artificial
(tocopherols, produced from gallic acid,

Card : 1/2

PEREDI, K.

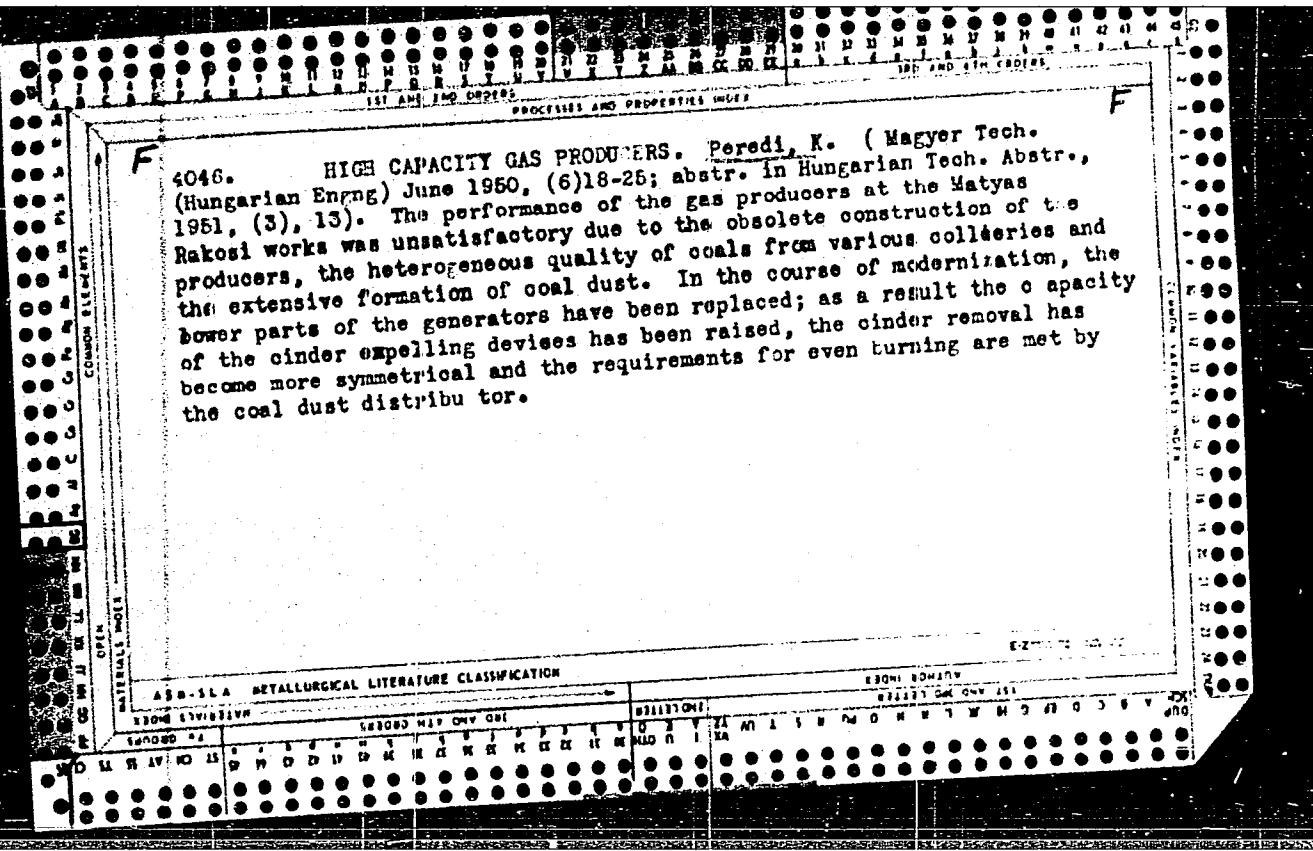
Results of the goal numbercontest in the third quarter of the year. p. 5.,
(UJITOK LAPJA, Budapest, Hungary), Vol. 6, No. 24, Dec. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5,
May 1955.

FERGÖT, K.

Quality, introduction, measurement of results in the innovators' movement. p. 4, (UJITOK LAPJA, Budapest, Hungary), Vol. 6, No. 24, Dec. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955.



PEREDI, K.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239930009-5"
New principles in the innovation movement.

F. 3 (UJITOK LAPJA) Budapest, Hungary Vol. 9, No. 11, July 1957.

SO: Monthly Index of East European Acquisitions (AMEI) Vol. 6, No. 11 November 1957.

PEREDI, K.

Principal new provisions of the decree on innovations and inventions. p. 14.
Vol 9, no. 10, Oct. 1955. TOBETERMELES. Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, April 1956.

PEREDI, K.

New decree helps develop our innivator's movement. p. 3. UJITOK LAPJA.
Budapest. Vol. 7, No. 17, Sept. 1956

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

PEREDI, K.

PEREDI, K. Principal viewpoints on the decree issued about innovations and inventions. p. 3 Vol. 7, no. 19, Oct. 1955. UJITOK LAPJA (Orsagos Talamanyi Hivatal) Hungary.

SOURCE: East European Accessions List (EEAL), Library of Congress Vol. 5, no.6, June 1956

PEREDI, K.

Our duties and higher technical levels. p. 3.
Vol 7, no. 22, Nov. 1955. UJITOK LAPJA. Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, April 1956

PEREDI, K.

Increasing the economic results achieved by innovations. p. 3.
UJITOK LAPJA, Budapest, Vol. 7, no. 4, Feb. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

PEREDIK.

FEREBI, K.

Tasks of the innovators' movement in the light of the October decision. p. 3.
(Ujítok Lapja, Budapest, Vol. 6, no. 23, Dec. 1954.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

PEREDI, Karoly, dr., Kossuth-dijas, okleveles gepesz- es kozgazdasagi
mernok

Atomization of fuel oil. Energia es atom 16 no.2:60-63 F
'63.

TOTH, Lajos; PEREDI, Lajos, dr.; SZIJGYARTO, Gyula; SZABO, Pal; BALAJTHY, Kalman

Remarks about Dr.Istvan Kovacs' article entitled "Certain questions relating to the calculation of average income." Munka szemle 5 no.1:28-32 Ja '61.

1. Voros Csillag Traktorgyar, Budapest (for Toth).
2. Kispesti Husipari Vallalat (for Peredi).
3. Szemuvegkeretgyar, Budapest (for Sziogyarto).
4. Epito kisipari termeloszovetkezet, Pecs (for Szabo).
5. BIOGAL Gyogyszergyar, Debrecen (for Balajthy).

KOBURNEYEV, I.M., TIMOFEEV POL'SKIY, I.S., inzh.; CHEVELA, L.A., inzh.;
ISHCHENKO, V.K., inzh.; PEREDISTYY, V.I., inzh.

Using natural gas in triple flue open-hearth furnaces.
Stal' 24 no.5:419-420 My '64. (MIRA 17;12)

1. Dneprovskiy metallurgicheskiy zavod im. Dzerzhinskogo.

PEREDISTYY, V.I.

Operation of a 400-ton, single flue, open-hearth furnace. Metallurg
9 no.1:21-23 Ja '64 (MIRA 18:1)

18.3200

78039
SOV/130-60-3-8/23

AUTHOR: Peredistyy V. I. (Chief of Production, Section of Open-Hearth Shop)

TITLE: The Work of Open Hearth Furnaces With Application of Heated Steam

PERIODICAL: Metallurg, 1960, Nr 3, p 12 (USSR)

ABSTRACT: The workers of thermotechnical laboratory at the plant imeni Dzerzhinskiy suggested the utilization of steam from a utility boiler (under pressure of 12 atm and at 330-350°C temperature) for intensification of melting process, instead of using oxygen. The stream of steam enters the "route" of the flame at high velocity, increasing the flame covering and speeding-up the process. The application of steam gives considerable economy. When steam is used instead of oxygen the control and measuring instrument do not require any changes. On the basis of investigation, it was established that steam should be used from the beginning of charging to the point of burning. The consumption of steam for a 185 ton furnace is 1200 kg/hr and for a 370 ton furnace, 1500 kg/hr.

ASSOCIATION: Plant imeni Dzerzhinskiy (Zavod imeni Dzerzhinskogo)

Card 1/1

PEREDKOV, A.A.

IVANOV, K.I.; LUZHETSKIY, A.A.; VILYANSKAYA, Ye.D.; ALEKSANDROV, A.N.; PEREL'-
SHTEYN, Ye.I.; PEREDKOV, A.A.

Testing an alkyl-phenol antioxidant additive in transformers. Khim.i
tekhn. topl. no.9:51-56 S '56. (MLRA 9:10)

1. Vsesoyuznyy teplotekhnicheskiy institut imeni Dzerzhinskogo.
(Antioxidants) (Insulating oils)

DOBROLYUBOV, A.I.; PEREDKOVA, G.I.

Using mathematical statistics methods in analyzing the precision
of the manufacture of parts in line and automatic production.
Sbor. trud. Inst. mash. i avtom. AN BSSR no. 1:19-46 '61.

(MIRA 16:5)

(Automation) (Mathematical statistics)

PEREDNYA, Ivan Nikolayevich, serzhant; RYABCHIKOV, Mikhail Nikolayevich,
montazhnik chetvertogo razryada; MURAV'YEV, A.I., polkovnik,
red.; CHAPAYEVA, R.I., tekhn. red.

[We are soldiers doing construction work] My - voennye stroiteli.
Moskva, Voenizdat, 1962. 48 p. (MIRA 16:3)
(Russia—Army—Military life)
(Construction workers)

COUNTRY : USSR
CATEGORY : GENERAL & SPEC. ZOOLOGY. INSECTS . Harmful Insects
and Mites.

ABST. JOURN.: Ref Zhar -Biologiya, No.2 , 1959, No. 7082

Author : Perekol'skiy, A.A.; Rodinova, L.Z.; Bibergal,*
INST. : All-Union Sc.Res.Inst. of Grain and its **
TITLE : Development of a Method of Controlling In-
sect Pests of Stored Grain with Ionizing
Radiation.

ORIG. PUBL.: (Tr) Vses . n.-i. in-ta zerna i produktov
yevo pererabotki, 1957 (1958), vyp. 35, 28-42

ABSTRACT: To control the grainary-and rice-weevils
(Galandra granaria and G. oryzae) the grain
was irradiated by the RUM-3 X-ray apparatus
(200 kilovolts, with a 0.5 mm Cu filter) and
RUP-3 (400 kilovolts, with 2 mm Cu plus 0.25
mm Fe filters) To destroy these grain pests
a 10 thousand r dose is necessary, as well
as other irradiation, i.e. a current of high-
speed electrons, gamma rays. For industrial
pest extermination high-speed electron

* A.V.; Rumyantsev, P.D.; Pertsovskiy, Ye.S.
** Processed Products.

CARD : 1/2

PEREDREYEVA, M.A.; DENISENKO, Ya, I.; NOVIKOV, S.S.

Investigating the process of vapor phase nitration of hydrocarbons of the cyclopentane series. Part 3: Nitration of propylcyclopentane. Izv.vys.ucheb.zav.; khim.i khim.tekh. 3 no.2:312-315 '60. (MIRA 14:6)

1. Artilleriyskaya inzhenernaya akademiya imeni F. E. Dzerzhinskogo, kafedra khimi.

(Cyclopentane)
(Nitration)

PEREDREYEVA, M.A.; DENISENKO, Ya.I.; NOVIKOV, S.S.

Vapor-phase nitration of hydrocarbons of the cyclopentane series.
Part 4: Nitration of butylcyclopentane. Izv.vys.ucheb.zav.; khim.
i khim.tekh. 4 no.6:977-980 '61. (MIRA 15:3)

1. Artilleriyskaya inzhenernaya akademiya imeni F.E.Dzerzhinskogo,
kafedra khimii.
(Cyclopentane) (Nitration)

PEREDREYEVA, M. A., Cand Chem Sci -- (diss) "Investigation into the field of vapor-phase nitration of pentavalent hydrocarbons." Moscow, Academy of Sciences USSR Press⁷, 1960. 20 pp with graphs; (Academy of Sciences USSR, Inst of Organic Chemistry im N. D. Zelinskiy); 150 copies; free; (KL, 17-60, 142)

DENISENKO, Ya.I.; PEREDREYEVA, M.A.

Investigation of the process of vapor phase nitration of hydrocarbons of the cyclopentane series. Izv.vys.ucheb.zav.; khim.i khim.tekh. 2 no.5:720-725 '59. (MIRA 13:8)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti, kafedra organicheskoy khimii.
(Cyclopentane) (Nitration)

PEREDUNOV, A.A., podpolkovnik; AVDUYEVSKIY, G.V., starshiy tekhnik-leytenant

From experience in using means of little mechanization in flight. Mor.
sbor. 47 no.6:59-61 Je '64. (MIRA 18:7)

PEREDY, J.

On a new minimum problem of the technical theory on strength of materials. In German. p. 329.

ACTA TECHNICA. Budapest, Hungary. Vol. 24, no. 3/4, 1959.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

H/008/63/000/002/001/001
D286/D303

AUTHOR: Károly, Perédy, Doctor, Engineer

TITLE: Atomization of fuel oils

PERIODICAL: Energia és Atomtechnika, no. 2, 1963, 60-63

TEXT: The author considers the economics of two direct oil-firing systems, embodying atomizers, and the extent to which the requirements of a homogeneous atmosphere and a specified temperature curve can be satisfied. The relationship is drawn between viscosity, temperature and pressure, in the light of which different types of atomizer are compared from the following standpoints: 1) Direct cost of atomization. 2) Cost of pre-heating the fuel. 3) Cost of air supply. 4) Depreciation. These factors are taken into account in a detailed comparison of two specific, direct oil-firing systems: The first is installed at the Szerencsi Cukorgyár (Szerencs Sugar factory) and uses a steam atomization unit. The second is at Kelenföldi Hőerőmű, Budapest (Kelenfold Thermal Power Station, Budapest) and uses high pressure atomization. Hungarian heavy oils are used.

Card 1/2

Atomization of fuel oils

H/008/63/000/002/001/001
D286/D308

in both installations. Conclusions: 1) The high pressure system is more expensive. 2) Its efficiency is maximum at maximum power and decreases with the power output. 3) The conditions of atmosphere and a specified temperature curve cannot be met simultaneously. Finally, a system, as yet developed only in principle, for burning oil gas is briefly mentioned. There are 4 tables.

Card 2/2

PEREDY, S. - Vol. 8, no. 1, Jan. 1955. - Magyar Energiaigazdaság.

Method of calculating the electric power and the supply of cooling water
for piston compressors. p. 15.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

PEREDY, S. - Magyar Energiagazdaság - Vol. 8, no. 6, June 1955.

Some problems of power economy in foundries. p. 222.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Unc1.

Pereodniy V.A.

PEREDNIY, V.A., inzh. (Novosibirsk)

Our protective belt trees hardly suffer from snows. Put' i put.
khoz.no.12:39 D '57. (MIRA 10:12)
(Novosibirsk--Windbreaks, shelter belts, etc.)

ZARNEA, G., Assist. Prof.; VASILIU, V.; VOICULESCU, R.; ISRAEL, H.; PERKINS, S.;
TUNARU, C.; SZEGLI, L.; POPESCU, F.; IONESCU, H.

A study on a Q fever focus due to horses as a source of infection.
Rumanian M. Rev. 2 no.2:20-21 Apr-June 58.

(Q FEVER, transm.

by horses in Rumania)

(HORSES, dis.

Q fever, transm. to humans in Rumania)

PEREDY, S.

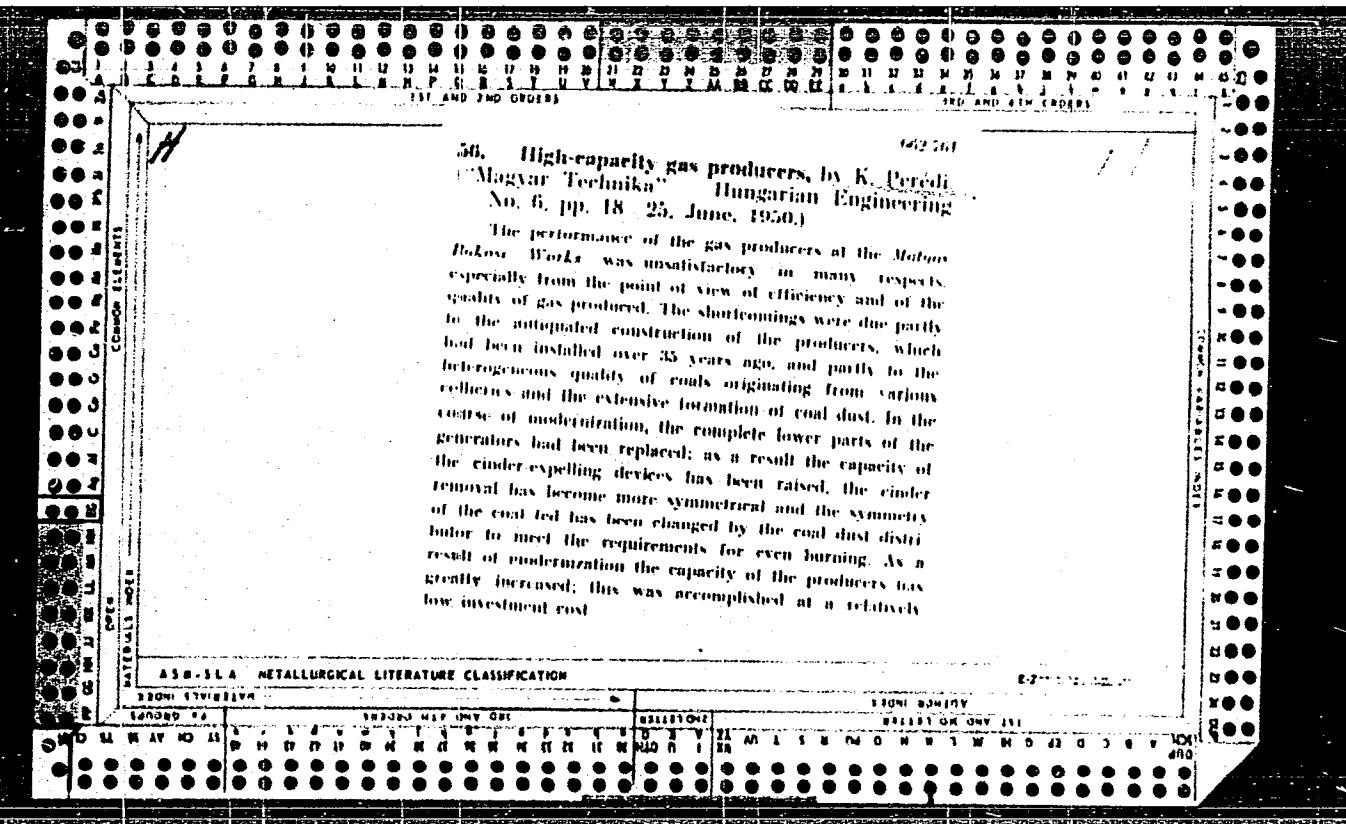
PEREDY, S. - A calculation method for a quick determination of the fuel supply in the heating of buildings.
p. 316, Vol. 9, no. 8, Aug. 1956
Magyar Energiagazdasag - Budapest, Hungary

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

PEREDIR'YEV, fnu.

USSR
Director, Taldanskiy Lestranksz
On Taldanskiy Lestranksz in Taldan, Chitao.
N: Zabaykal'skiy Rabochiy

SOURCE: 18 May 1945, Chita Abstracted in USAF "Treasure Island" Report No.
40497, on file in Library of Congress, Air Information Division.



PEREDOVAYA

4566. PEREDOVAYA trikotazhnaya fabrika [No. 12 tresta MOSGORTEKSTIL'PROM 7. m.,
rosvizmestprom, 1954 88 s. s ill. 20 sm. (obmen peredovym. opyтом raboty
predpriyatii mestnoy prom-sti). 2.000 ekz. 1 r. 40 k.- 154-58045/p

677.661.02

SO: Knizhnaya Letopis', Vol. 1, 1956

10/70
S/153/60/003/02/18/034
B011/B006

5.3800

AUTHORS:

Peredreyeva, M. A., Denisenko, Ya. I., Novikov, S. S.

TITLE:

Investigation of the Nitration of Hydrocarbons of the
Cyclopentane Series in the Vapor Phase. III. Nitration of
Propyl Cyclopentane 1

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i
khimicheskay tekhnologiya, 1960, Vol. 3, No. 2, pp. 312-315

TEXT: The present paper is a continuation of the authors' investigations on the subject mentioned in the title. The nitration of propyl cyclopentane, which was prepared synthetically, was carried out at 340-400°C using 68% HNO₃. Details are given in Ref. 1. In the present paper, the authors clarified the dependence of the yield of nitro compounds on the reaction temperature, the hydrocarbon / HNO₃ ratio, and the time of contact of the reagents. Results are shown in Table 1. From this it is evident that the highest yield at molal ratios of propyl cyclo-

Card 1/4

Investigation of the Nitration of
Hydrocarbons of the Cyclopentane Series
in the Vapor Phase. III. Nitration of
Propyl Cyclopentane

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S/153/60/003/02/18/034
B011/B006

tane/ HNO_3 - 2.1 - 2.5 and contact times of 1.2 - 1.3 sec slowly increases with rising temperature. The maximum yield is obtained at 385°C . At higher temperatures, yields decrease owing to pyrolysis of the nitro compounds. At the above-mentioned optimum conditions, the maximum yield is 76%, calculated for initial hydrocarbon. As main reaction products, a tertiary and a secondary nitro compound are formed. It is seen in Table 2, that the latter is obtained in much greater quantity than the former compound (nearly 40 times as much at 385°C , less at lower temperatures). From the physical constants determined and the results of chemical analysis the authors conclude that the tertiary compound obtained by them is pure 1-nitro-1-propyl cyclopentane. It is a colorless oil with a weak smell of camphor, easily soluble in alcohol and other organic solvents. It is insoluble in bases and does not react with HNO_2 . The constants of the secondary nitro compound show it to be 2-nitro-1-propyl cyclopentane. Freshly distilled in vacuum, it is a colorless oily liquid which becomes yellow on standing in light. Its

Card 2/4

Investigation of the Nitration of
Hydrocarbons of the Cyclopentane Series
in the Vapor Phase. III. Nitration of
Propyl Cyclopentane

80670
S/153/60/003/02/18/034
B011/B006

smell is that of nitro-paraffin, and it is soluble in the same solvents as the tertiary compound. The secondary nitro compound however, is soluble in concentrated aqueous alkali solutions and gives the characteristic color reaction with HNO_2 . The corresponding ketone was prepared from the secondary nitro compound and transformed to its semicarbazone. The nitro compounds were reduced to the amines 1-amino-1-propyl cyclopentane and 2-amino-1-propyl cyclopentane ($\text{C}_8\text{H}_{15}\text{NH}_2$). The latter substances are colorless, mobile liquids which can be distilled at atmospheric pressure without decomposition, smell intensely of ammonia, and are difficultly soluble in water. They are well soluble in ether and other organic solvents, and form volatile carbonates - colorless crystalline substances - with atmospheric CO_2 . The hydrochloride of 2-amino-1-propyl cyclopropane, obtained in a dry HCl atmosphere, is also a colorless crystalline substance. The chloroplatinate of 2-amino-1-propyl cyclopropane is a yellow crystalline substance. There are 2 tables, and 4 references, 2 of which are Soviet.

Card 3/4

Investigation of the Nitration of
Hydrocarbons of the Cyclopentane Series
in the Vapor Phase. III. Nitration of
Propyl-Cyclopentane

40170
S/153/60/003/02/18/034
B011/B006

ASSOCIATION: Artilleriyskaya inzhenernaya akademiya im. F. E. Dzerzhinskogo,
Kafedra khimii (Institute for Artillery Engineers imeni
F. E. Dzerzhinskogo, Chair of Chemistry)

SUBMITTED: July 11, 1958

Card 4/4

CD

27

The ash of sunflower seed hulls. Mihoko Jiky and
Jozsei Teridy. *Mechanika i Teplo* 3, No. 2, 15-18
(1970). Ash samples from four oil mills at which sun-
flower seed hulls are now used as fuel contained Hg 0.3-
3.8, water-sol. portion 17.4-20.30, HCl-sol. 15.3-45.3, C
0.36-2.00, insol. 3.50-20.80%. One ash sample (0.3%
Hg) contained in the water-sol. portion K₂O 10.9, Na₂
CO₃ 1.6, Na₂PO₄ 0.8, Na₂SO₄ 1.0, NaCl 0.2, K₂SiO₃ 5.4,
other Na salts 2.0%; in the dil. HCl-sol. portion CaCO₃
11.9, CaSiO₃ 3.07, Ca₃(PO₄)₂ 25.85, MgSiO₃ 9.35, MgO
0.35, and other salts 1.48%. Lab. expts. indicate a K₂CO₃
recovery of 52% by percolation with 1.6 wts. of cold H₂O
per wt. of ash in small-scale plants. In well-equipped
large-scale plants which use 2 wts. of H₂O a 100% recovery
should be obtainable.
Istvan Pintaly

AIA-SLA METALLURGICAL LITERATURE CLASSIFICATION

TECHN. ADVISORY

BULLETIN ON CRY. 101

PEREDY, S.

Some words on the correct selection of cupola furnace capacity. p. 223
(Kohaszati Lapok Budapest Vol. 11, no. 10, Oct. 1956 Ontode Vol. 7, no. 10)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

PEREDY, Sandor, okleveles gepeszernok

Problems of reducing specific coke consumption at foundry
smelting works. Ipar energia 6 no.3:54-60 Mr '65.

l. Institute of Industrial Economy and Operations of the
Ministry of Metallurgy and Machine Industry, Budapest.

PEREDY, S.

"Coke Consumption in Cupola." p. 87, (MAGYAR ENERGIAGAZDASAG, Vol. 7, no. 2, Feb. 1954,
Budapest, Hungary)

SO: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954/Unclassified

PEREDY, Sandor; MONATH, Lajos; RAPELIUS, Karl (Leipzig); CALLENBERG,
Waldemar (Leipzig); LIPKA, Ceslav (Praha); FREIBERGER, Rudolf,
dr. ing. (Praha); SCHEMKEL, Gerhard, dr. ing. (Karlsruhe);
MIKULSKI, Jan, dr. ing. (Katowice); FRATZSCHER, Wolfgang, dr.
ing. (Drezda); BENEDEK, Istvan; CUKOR, Gyorgy; SAGI, Marton;
SOVARY, Emil; MAGY, Csaba (Roman Nepkoztarsasag); ELEFTERESCU, M.
(Roman Nepkoztarsasag); KOVACS, Istvan (Roman Nepkoztarsasag);
LAZAR, Peter, dr.; MEJRO, Cz., prof. (Varso); KOKOVAY, Janos, dr.;
SCHAFFER, Helmuth, dr. ing. (Karlsruhe); BORBAS, Nandor; GRUHN,
Gunther, Dipl. Ing. (Drezda); SZABO, Bendeguz; GWORI, Attila;
MOLNAR, Laszlo; RECZEY, Gusztav, dr.

Determination and application of specific power utilization
indexes. Ipari energia 3 no.1/2:15-22 Ja-F '62.

1. Koho- es Gepipari Miniszterium Ipargazdasagi es Uzemszerve-
zesi Intezete (for Peredy).
2. Obudai Hajogyar (for Monath).
3. Orszagos Energiagazdalkodasi Hatosag (for Benedek and Reczey).
4. Magyar Tudomanyos Akademia Kozgazdasagtudomanyi Intezete (for
Cukor and Sagi).
5. Eromu Tervezo Iroda (for Sovary).
6. Konnyui-
pari Miniszterium (for Kokovay).
7. Voros Csillag Traktorgyar
(for Borbas).
8. Kobanyai Muanyaggyar (for Szabo).
9. Koho- es
Gepipari Miniszterium Energiaosztaly (for Molnar).

PEREDY, Sandor

Problems relating to the development of energy norms. Ipari
energia 4 no.9:193-195 S !63.

1. Koho-es Gepipari Miniszterium Ipargazdasagi es Uzemszerve-
zesi Intezete.

PEREDY, Sandor

Production fluctuation and its influence on the use of specific
energy. Ipari energia 4 no.1: 1-4 Ja'63.

1. Koho- es Gepipari Miniszterium Ipargazdasagi es Uzemszervezesi
Intezete.

PEREFILOV, I.

USSR
ON: Cinder-block producing machine "TsSm-133" Plant #8 of Glavst Roymekhanizatsiya

SOURCE: P. Tekhnika Molodezhi, Moscow Feb. Mar. 46
Abstracted in USAF "Treasure Island", on file in Library of Congress, Air
Information Division, Report No. 070760

IVANOV, Mikhail Fedorovich (1871-1935), akad.; ROMANOVICH, Ye.P.; GREBEN', L.K.
akademik, otv. red.; NIKOLAYEV, A.I., akademik, otv. red.;
MELIKOV, F.A., akademik, otv. red.; PEREGOR, I.L., akademik,
otv. red.; SMETNEV, S.I., akademik, red.; YUDIN, V.M.,
akademik, red.; OVSYANNIKOV, A.I., red.; MOKEYEV, A.Ye., red.;
KARTASHEVA, N.M., red.; PUZAKOVA, K.P., red.; DEYEVA, V.M.,
tekhn. red.

[Complete collected works in seven volumes] Polnoe sobranie so-
chinenii v semi tomakh. Moskva, Izd-vo "Kalos." Vols.1-2.
(MIRA 17:2)
1963.

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni
V.I. Lenina (for Greben', Melikov, Nikolayev, Smetnev, Yudin).
2. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystven-
nykh nauk imeni V.I.Lenina (for Ovsyannikov).

PERECON, I. L.

Peregon, I. L. - "Experimental results on raising large fertile Karakul sheep,"
Trudy Vsesoyuz. nauch.-issled. in-ta givridizatsii i akkliratizatsii zhivotnykh
Askaniya-Nova im. akad. Ivanova, Vol. III, 1949, p. 41-92, - Biblicg:13 items

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949.)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239930009-5

PEREGINCHUK, D.I. [Perehinchuk, D.I.], inzh.

A universal DKU-1,0 grinder. Mekh. sil', hosp. 13 no. 8:30 Ag '62.
(MIRA 15:7)

(Feed-grinders)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239930009-5"

PEREGRON, I.L., kand. sel'skokhozyaystvennykh nauk; GLUBOCHANSKAYA, R.A.

The Askania group of wool goats. Trudy "Ask.-Nov." 6:87-97
'57. (MIRA 11:12)

(Goat breeding)

USSR / General and Specialized Zoology. Insects. The P
Biological Method for the Control of Harmful
Insects and Acarids.

Abs Jour: Ref Zhur-Biol., No 13, 1958, 59237.

Author : Stativkin, V. G., Peregonchenko, B. I.,
Sinitsyn, V. V.

Inst : Not given.

Title : Our Method of Settling the *Pseudaphycus malinus*.

Orig Pub: Zashchita rast. ot vredit. i bolezney, 1957,
No 4, 43-44.

Abstract: The propagation of the Comstock mealybug is checked by the presence in her colonies of 35-50% mummies (M) with the *Pseudaphyci malini*. The yield of M from the soil by manual labor is about 10 thousand M a day per man. It is increased tenfold through the attraction of M from the mass,

Card 1/2

1. PEREGONCHENKO, B. M.
2. USSR (600)
4. Pomegranate - Diseases and Pests
7. Pomegranate leaf worm and cancer. Sad i og. no.10, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

PERECHENKO, B.M.

Fig - Diseases and Pests

Fight against the fig moth. Sad i og., no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952, Uncl.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239930009-5"

1. PEREGONCHENKO, B.M.
2. USSR (600)
7. "The Chief Pests and Diseases of Citrus Crops in Central Asia and Measures for Combating Them", Sel'skoye Khozyaystvo Tadzhikistan, No 4, 1951, pp 39-43.

PERECHENKO, B. M. and STEPANOV, P. M.

"Testing of the Preparation NIUIF-100 (Thiophos)
S. kh. Tadzhikistana, No. 12, pp 52-57, 1953.

In the experimental spraying of separate branches of fruit trees with an emulsion of thiophos, the following concentrations of active agent completely killed the insects (time required given in parentheses): blood-red aphids and grape-worms, 0.00% (2 days); meal worms *Pseudococcus* sp. 0.00% (2 days); Comstock worms, 0.015% (2 days); soft species of *Eulecanium* (*Coccus hesperidum* L.) on cirrus plants, 0.030% (10 days). *Parlatoria cleae Colvee* were only 91% destroyed 10 days after spraying with a concentration of 0.030%. (RZhBiol, No 10, 1955)

SO: Sum No 884, 9 Apr 1956

USSR/Diseases of Farm Animals. Pathology of Reproduction

R-3

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31125

Author : Peregonchuk S.

Inst : -
Title : Biological Stimulants in the Control of Infertility

Orig Pub : Molochn. i myasnoye zhivotnovodstvo, 1957, No 2, 16-19

Abstract : The subcutaneous injection of the blood of pregnant mares ($1\frac{1}{2}$ -3 months of pregnancy) in a dose of 10-20 ml. administered during 2 days, was used for the control of barrenness in cows. Good results were also obtained by the introduction of 1-1.5 ml. of semen into the cervix uteri or by supplementation of rations of the sterile cows, during 1-2 days, with milk (1.5-2 liters) of cows in heat.-- L.S. Kirichenko

Card : 1/1

23

PERECONTSEVA, V.L.; KOGYARIN, Ye.V.

Obtaining castings in skin molds. Biul. tekhn.-ekon. inform.
Gos. nauch.-issal. inst. nauch. i tekhn. inform. 17 no.3:
(MIRA 17:9)
32-33 '64.

S/021/61/000/023/015/061
B117/B147

AUTHORS: Alimarin, I. P., Yakovlev, Yu. V., Shulepnikov, M. N.,
Peregzhin, G. P.

TITLE: Determination of small amounts of impurities in thallium,
gallium, phosphorus, and antimony by the method of radio-
activation analysis

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1961, 128, abstract
23D97 (Sb. "Radioakt. izotopy i yadern. izlucheniya v nar.
kh-ve SSSR. v. I". M., Gostoptekhizdat, 1961, 293 - 297)

TEXT: A comparison was made between the radiochemical and spectroscopic
variants of the activation analysis. General schemes of the radiochemical
separation of impurities in the determination of Cu, Zn, As, Au, and P in
gallium and of Mn, Cu, Zn, Ga, As, P, and Cr in antimony, as well as the
main γ -spectra in the determination of Mn, Zn, Cu, Cs, and Sb in thallium
and of As, Mn, and Ga in phosphorus are presented. [Abstracter's note:
Complete translation.]

Card 1/1

MELKA, J.; PEREGRIN, I.; HAVEL, V.; SKRANC, O.; STMEK, J.; VESELY, C.

Attempted determination of fatigue during the course of a very strenuous physical work. Pracovni lek. 14 no.5:231-235 Je '62.

1. Katedra fyziologie lekarske fakulty Karlovy university v Hradci Kralove, prednosta prof. MUDr. J. Melka.
(FATIGUE)

SVERAK, Jaromir; PEREGHIN, Jaroslav

Current status and future aspects of clinical electroretinography
in the light of our experiences. Sborn. ved. prac. lek. fak.
Karlov. univ. (Hrad Kral) 4 no.4:551-559 '61.

1. Oční klinika; prednosta prof. MUDr. M. Klíma Katedra fyziologie;
prednosta prof. MUDr. J. Melka.
(ELECTRORETINOGRAPHY)

PEREGRIN, J.; SKRANC, O.; VESELY, C.; SVERAK, J.

Conditioned reflexes produced by the post-activation potentiation
in the activity of the human visual analyzer. Czech.fysiolog. 9 no.3:
255-256 My '60.

1. Fysiologicka katedra a ocní klinika lek. fakulty KU, Hradec
Kralove.

(REFLEX CONDITIONED)
(VISION physiol)

NADVORNIK, Pavel; PETR, Rudolf; PEREGRIN, Jaroslav

Relation of vitamin B6 to epilepsy. Sborn.ved.prac.lek.fak.
Karlov. Univ. (Hrad.Kral.) 6 no.5:569-571 '63.

1. Neurochirurgicka klinika; (prednosta: prof. MUDr.R.Petr)
Katedra fyziologie (predncsta: prof., MUDr. J.Metka),
Karlov. univ., z Hradci Kralove.

*

MELKA, Jaroslav; PEREGRIN, Jaroslav.

An attempt at normalization of the process of excitation in
the brain cortex of rats during low pressure hypoxia. Sborn.
ved.prac.lek.fak.Karlov.Univ.(Hrad.Kral.) 6 no.2:Supplement:
275-282 '63.

1. Department of Physiology, Charles University, Faculty of
Medicine at Hradec Kralove.

*

VAVRA, Rudolf; PEREGRIN, Jaroslav; SVERAK, Jaromir

Vector-tachographic analysis of ERG. Sborn. ved. prac. lek. fak.
Karlov. univ. (Hrad Kral) 4 no.2:217-219 '61.

1. Katedra patologicke fyziologie; prednosta prof. Dr.Sc. MUDr.
R.Vavra Katedra fyziologie; prednosta prof. MUDr. J.Melka Ocní.
klinika; prednosta prof. MUDr. M. Klíma.
(ELECTRORETINOGRAPHY) (VECTORCARDIOGRAPHY)

VAVRA, Rudolf; SVERAK, Jaromir; PEREGRIN, Jaroslav

The use of vectortachographic analysis of the ERG curve in diseases
of the optic nerve (Preliminary report). Sborn. ved. prac. lek. fak.
Karlov. univ. (Hradec Kral) 4 no.2:221-229 '61.

1. Katedra patologicke fyziologie; prednosta prof. Dr.Sc.MUDr. R.Vavra
Ocni klinika; prednosta prof. MUDr. M. Klima Katedra fyziologie;
prednosta prof. MUDr. J. Melka.
(ELECTRORETINOGRAPHY) (OPTIC NERVE diseases)
(VECTORCARDIOGRAPHY)

PEREGRIN, Jarošlav; SVERAK, Jaromír

Variability of the exposition time and flash frequency in clinical
electroretinography. Česk. ophthalmol. 17 no. 4/5:346-351 Jl. '61.

1. Katedra fyziologie prednosta prof. MUDr. J. Melka, a oční klinika,
prednosta prof. MUDr. M. Klíma, LFKU, Hradec Králové.

(ELECTRORETINOGRAPHY)

SVERAK, Jaromir; STEINHARTOVA, Libuse; PEREGRIN, Jaroslav

The importance of ERG examination in intraocular foreign bodies.
Cesk. ofth. 17 no. 4/5:352-357 Jl '61.

1. Ocní klinika (prednosta prof. MUDr. Milos Klima) a Fyziologicky
ustav (prednosta prof. MUDr. Jaroslav Melka) Lekarske fakulty KU v
Hradci Kralove.

(ELECTRORETINOGRAPHY) (EYE for bodies)

PEREGRIN, Jaroslav

Postactivation potentiation and the test of critical fusion frequency.
Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad. Kral.) 4 no.1 suppl.:
3-24 '61.

1. Fyziologicky ustav; prednosta prof. MUDr. J. Melka.

(FLICKER FUSION)

SVERAK, Jaromir; WASSERMANNNOVA, Vlasta; PEREGRIN, Jaroslav

Electroretinographic diagnosis of chorioretinitis. Cesk. fysiol. 14
no.4:256-259 Aug 58.

1. Ocni klinika (prednosta prof. MUDr. Milos Elima) a katedra fysiologie
(Prednosta prof. MUDr. Jaroslav Melka) VIA J. Ev. P. Hradec Kralove.

(CHOROIDITIS, diag.

electroretinography in chorioretinitis (Cz))

(RETINITIS, diag.

same)

(ELECTRORETINOGRAPHY, in various dis.

chorioretinitis, diag. value (Cz))

PEREGRIN, J.; SVERAK, J.

Electroretinographic manifestations of post-activation potentiation
in man. Cesk. fysiol. 8 no.3:231-232 Apr 59.

1. Katedra fysiologie lek. fak. KU, Klinika ocnich nemoci lek. fak. KU,
Hradec Kralove, Predneseno na III. fysiologickych dnech v Brne dne 13.1.
1959.

(RETINA, physiol.

electroretinographic registration of post-activation
potentiation (Cz))

(NERVOUS SYSTEM, physiol.

post-activation potentiation, electroretinographic
manifest. (Cz))

SVERAK, Jaromir; PEREGRIN, Jaroslav

Electroretinographic tests with the aid of variable intensities of exposure. Cesk. oft. 15 no.2:112-120 Apr 59.

1. Ooci klinika, prednosta prof. dr. Milos Klima, katedra fysiologie, prednosta prof. dr. Jaroslav Melka, lekarske fakulty MU v Hradci Králove.

(RETINA, physiol.

electroretinography with variable exposure intensities
(Cz))

VAVRA, R.; PEREGRIN, J.; SVERAK, J.

Analysis of light by the scotopic eye. Rev.Czech.M. 6 no.4:287-295 '60.

1. Department of Applied and Normal Physiology, Medical Faculty,
Charles University, Hradec Kralove. Directors: Prof. R. Vavra, M.D.
and Prof. J. Melka, M.D. Department of Ophthalmology, Medical
Faculty, Charles University, Hradec Kralove. Director:
Prof. M. Klíma, M.D.

(ADAPTATION OCULAR)

VAVRA, R.; PEREGRIN, J.; SVERAK, J.

Light analysis by scotopic eyes. Cas.lek.cesk.99 no.43:1375-1378
21 O '60.

1. Katedra patologické a normalní fyziologie, prednosta prof.
dr. R. Vavra a prof.dr. J.Melka a Katedra očního lekarství v
Hradci Králové, prednosta prof. dr. M.Klímá.
(ADAPTATION OCULAR)

VAVRA, Rudolf; PEREGRIN, Jaroslav; SVERAK, Jaromir

Vectotachography of the human electroretinogram - method. Cesk. ofth.
17 no.4/5:336-337 Jl '61.

1. Katedra patologicke fyziologie, prednosta prof. dr. Sc. MUDr. Rudolf Vavra, katedra fyziologie, prednosta prof. MUDr. Jaroslav Melka, katedra ocního lekarství, prednosta prof. MUDr. Milos Klima, Lékarska fakulta University Karlovy v Hradci Kralove.

(ELECTRORETINOGRAPHY)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239930009-5"
SVERAK, Jaromir; WASSELMANNOVA, Vlasta; PEREGRIN, Jaroslav

Central serous retinopathy (clinical picture and electrophysiological study). Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad Kral) 5 no.1: 33-60 '62.

1. Oční klinika; prednosta prof. MUDr. M. Klima Katedra fyziologie;
prednosta prof. MUDr. J. Melka.

(RETINITIS)

(ELECTRORETINOGRAPHY)

SVERAK, Jaromir; SALAVEC, Miloslav; PEREGRIN, Jaroslav

Electroretinography during prolonged administration of synthetic
antimalarial drugs. Sborn. ved. prac. lek. fak. Karlov. univ.:
Suppl. 8 no.5:537-545 '65.

1. Department of Ophthalmology (Head Prof. Dr. M. Klima, Dr.Sc.);
First Department of Medicine (Head Prof. Dr. F. Cernik); Department
of Physiology (Head Prof. Dr. J. Melka) Faculty of Medicine, Charles
University, Hradec Kralove, Czechoslovakia.

SVERAK, Jaromir; PREGRIN, Jaroslav

Variability of retinal potentials and hypertension. Sborn. ved.
prec. lek. fak. Karlov. Univ. 8 no.5:613-620 '65.

1. Oční klinika (prednosta - prof. MUDr. M. Klíma, DrSc.) a
Katedra fyziologie (prednosta - prof. MUDr. J. Melka) v
Hradci Králové.

was carried out in 50 patients. In 31 patients the blood pressure was normal in one eye (40 and 16 cases respectively). 27 patients had normal and 29 high blood pressure. Disorders of intraocular circulation are accompanied by a decreased electrical activity of the retina, which in hypertension increases the average values of the total electrical potential. This applies both to the affected eyes. Should the role of hypertension be neglected the ERG findings could be interpreted as normal or super-normal potentials, mainly in less severe disorders of intraocular circulation. 1 Figure, 2 Tables, 9 Western, 6 Czech references.
(Manuscript received Oct 65).

APPROVED FOR RELEASE 06/15/2000

CIA-RDP86-00513R001239930009-5

CZECHOSLOVAKIA

PEREGRIN, J.; SVERAK, J.; Department of Physiology and Eye Clinic,
Medical Faculty of Charles University (Fysiologicky ustav a ocni klinika
LFKU), Hradec Kralove.

"Photopic and Scotopic Activity Manifestations in the Electroretinogram
in Man."

Prague, Ceskoslovenska Fisiologie, Vol 14, No 5, Oct 1965; p 361-362.

Abstract: Analysis of electroretinogram reactions to short intense light
flashes during adaptation to darkness in varying conditions of external
illumination. The effect on wave X was determined; results indicate
primarily photopic activity of retina. 3 Western references. Paper
presented at the 15th Physiology Days, Olomouc, 26 May 65.

1/1

- 46 -

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239930009-5"

The influence of the work day on the higher nervous activity of
man in the framework of complex physiological analysis. (Summary
of the final report). Activ. nerv. sup. (Praha) 7 no.1:65-66 '65.

SVERAK, J.; PREGRIN, J.

Repeated blinding in the course of adaptation to darkness.
(An electroretinographic study). Cesk. oftal. 21 no.3:233-237
Mys '65

1. Katedra oculního lékařství (vedoucí: prof. dr. M. Klíma, DrSc.)
katedra fyziologie (vedoucí: prof. dr. J. Melka) lékařské fa-
kulty Karlovy Univerzity v Hradci Králové.

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239930009-5

PEREGRIN, J.

60th Anniversary of Prof. MUDr. Jaroslav Melka. Sborn. ved. prac.
1ek. fak. Karlov. Univ. 7 no.4:479-480 '64.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239930009-5"

SVERAK, J.; SALAVEC, M.; PEREGRIN, J.; Technicka spcluprace: JURISOVA, J.

The effect of antimalarials on the function of the retina. Electro-retinographic studies. Cesk. oftal. 21 no.5:370-378 S '65.

1. Ocni klinika (prednosta prof. dr. M. Klima), I. interni klinika (prednosta prof. dr. F. Cernik) a katedra fyziologie (vedouci prof. dr. J. Melka) lekarske fakulty Karlove University v Hradci Kralove.

SVERAK, Jaromir; PEREGRIN, Jaroslav

Electroretinography using strong photic stimuli. Sborn. ved.
prac. lek. fak. Karlov. Univ. 9 no.1:295-306 '64.

The effect of the frequency of photic stimuli on the con-
figuration of the electroretinographic adaptation curve.
Ibid.:307-318

1. Katedra fyziologie (prednosta: prof. MUDr. J. Melka);
Ocni klinika (prednosta: prof. MUDr. M. Klíma) Karlovy
University v Hradci Králové.

SVERAK, Jaromir; FEREGIN, Jaroslav

The effect of the surrounding illumination on the amplitude
of the ERG potentials. (Photopic electroretinography). Sborn.
ved. prac. lek. fak. Karlov. Univ. '7 no. L 625-634 '64.

1. Okou klinika (prednosta: prof. MUDr. M. Klíma); Katedra
fyziky (prednosta: prof. MUDr. J. Melka) Lekarske fakulty
Karlovych university v Hradci Kralove.

PREGRI, YA.

USSR.

✓ Effect of bicarbonate baths, according to Lepeshinskaya, I., Muka, Ya., Peresyp, O., Shkrantz (Physiol. Inst., Military Med. Acad., Prague, Králove, Czech.), *Klin. Med. (U.S.S.R.)* 32, No. 11; 72-9 (1954); cf. *ibid.* 31, No. 1, 26 (1953).—Expts. were carried out to test the contention of Lepeshinskaya that NaHCO₃ baths cause a heightened metabolism. It was found that serum Na is not increased after a bath, the alk. reserve of the plasma is not decreased during bathing, the pH of the urine and the basal metabolism rate remains unchanged and the body weight remains either unchanged or undergoes slight upward or downward changes. Only ingestion of bicarbonate affords a possibility to study its action upon metabolism. A. S. Mirkin

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carbonated bath, physiol. eff.)
(SODIUM, ther. use
carbonated bath, physiol. eff.)

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